BANGALORE MAHANAGARA PALIKE, DASARAHALLI ZONE

Office of the Executive Engineer Dasarahalli Division,

**SHEDULE- B**

Name of Work: Providing & Sinking of Borewells, pump, Motor & water supplying in Ward No 14, Bagalagunte

| Description of work | | Unit | Qty | Rate to be Quoted | |
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| | | | | In Figures (Rs.) | In Words (Rs.) |
| 2 | 3 | | 4 | 5.00 | 6 |
| Geophysical survey geophysical investigation of site for sinking Borewell for supplying drinking water to the habitation either through the hand pumps, MWS or PWSS by vertical electrical sounding by adopting venner or schlumbergers's method including reconnaisance suevey of geological formation Geophysical investigation of existing ground Water in the vicinity, its quality , quality & acceptabality of the users indicating the location of the site recommendeddepth of casing pipe required to seal the tope unconsolidated formation including an extra depth 1.0 metre in consolidated formation for aquire proposed to be tapped propable yield and other information required including transportation of instrument and accessories to work site, engating technical personal and labour etc. | | Each | 4.00 | 1882.00 | Rupees One thousand Eight hundred and Eighty Two only |
| Sinking of Borewell of 165 mm clear using fast hydraulic rig of capacity 250 PSIG & above 900 CMF & abpve in al strata including over burden upto 22 m fixing of casing pipes, collars and cap with necessary cutting and threading including transporation of rig and surpporting vehicles, screws charges and cost of consumable including yield testing at the final depth with a minimum working of compressor for one hour all as specified. | | Rmtr | | | |
| 0.00 to 50.00 mtrs | | | 200.00 | 306.00 | Rupees Three hundre Six Only |
| 50mtr to 100.00 mtr | | | 200.00 | 400.00 | Rupees Four hundred |
| 100.00 to 150.00 mtr | | | 200.00 | 445.00 | Rupees Four hundr Forty Five Only |
| 150.00 to 200.00 mtr | | | 200.00 | 470.00 | Rupees Four hundr Seventy Only |
| 200.00 to 250.00 mtr | | | 200.00 | 544.00 | Rupees Five hund Forty four On |

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| ... 1st Class 175mm Nominal bore, plain end steel casing pipe grade of steel Fe 310 of wall thickness 5.4 mm thick conforming to IS 1239-1990 and manufactured by basic open hearth electric or basic oxygen process in random length of 5 to 7mtrs. Both ends threaded Conforming to IS 554-1985. One end fixed with a Socket Conforming to IS 1239-2001 and the other end with Screwed pipes. All pipes shall be reasonably free from defectos. The tube shall be reasonably straight should be with ISI marking. weighing 25.10kg/mtr (Inclusive of all taxes) | Mtrs | | | |
| Additional rate on item No 2 is allowed for drilling in over burden and felling casing pipes beyond 20mtrs rate at 15% and beyond 30mtrs 30% on basic rate of Rs 806/- is allowed | Mtr | | | |
| Providing 175 mm dia MS Collar | Nos | | | |
| Providing 175 mm dia MS Cap | Nos | | | |
| Supply and delivery at site brand new Texmo / Inneval / Lubi / Sabar / Atalanta / Calamal / waterman / Radha make suitable vertical installation in 150mm dia Borewells comprising of single stage or multistage CI pump close coupled by means of stainless steel coupling to suitable HP suitable speed totally enclosed and filled with pure drinking water (Wet type) squirrel cage **submersible induction mortor** suitable for operation of 3Ph., 50Hz, 380/44 volts AC supply fitted with required accessories such as suction casing, suction strainers, sand guard Non return valve etc., complete the pump and motor shall form an integral unit with all the required fittings **5HP 30 stage Kirloskar, Atlanta, Suguna, CRI other equipment pump** | Nos | 4.00 | 7[illegible].00 | Rupees Seventy Six hundred |
| Supplying and Drawing 3 core Flat PVC Shalted Submersible Pump Cable Manufactured with electrolytic Grade Copper with Flexible copper conductor to table 3 class 5 of IS 8130-1984 and Virgen PVC insulation and Sheeated Suitable for Working Voltage Upto 1100 Volts BWSSB | Mtr | 2790.00 | 188.70 | Rupees [illegible] Nine 8 |

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| [illegible] approved make including cost of all mate Gate Labour HOM of equipment with all leads Complete as per Specification | Nos | 4.00 | 1145.00 | Rupees One thousand One hundred Forty Five Only |
| Supplying and fixing 50mm GM Gate Vavle | Nos | 4.00 | 1600.00 | Rupees One thousand Six hundred Only |
| Supplying and fixing 175mm Borewell cap with clampset | Nos | 4.00 | 500.00 | Rupees Five hundred Only |
| Supplying and fixing 50mm GI Union | Nos | 4.00 | 223.70 | Rupees Two hundred Twenty Three & Seventy Paise Only |
| Supplying and fixing 50mm GI Elbow | Nos | 12.00 | 111.80 | Rupees One hundred Eleven & Eighty Paise Only |
| Supplying and delivery at site brand new star / Essen / Lotus / Sun shines / Adharsh / GK Controls best indigenous make combined energy meter cum control panel board unit of size 1200x600x350mm minimum mechanically strong vermin and water proof. The unit shall have two detachable doors suitable for opration on 3ph, 50 hz, 380/440 volts, AC supply with spring loaded latch, locking device with a key ribs should be provided inside the door canopy apron and louvers ventilators shall be provided the combined energy meter cum control panel board unit suitable for operation on 3ph, 50 hz, 380/440 volts AC supply shall be consists etc., complete the panel board shall be consist etc., complete the panel board shall be fabricated on single unit in the above componenets panel board for suitable pumpset with star delta staretr out door type 10hp to 15 hp PRED ISSUE RATE | Nos | 4.00 | 10000.00 | Rupees Ten thousand Only |
| Providing and fixing of 50mm G.I pipe 'C' class heavy duty for erection of submersible pumpset galvanised tube 50mm supply ad delivary of cause heavy duty as per IS/239/1990 | Mtr | 1100.00 | 519.30 | Rupees Five hundred Nineteen & Thirty Paise Only |
| Supplying and fixing 50mm GI coller Heavy duty | Nos | 184.00 | 150.00 | Rupees One hundred Fifty Only |
| Erection of combined panel board and meter unit with necessary materials and labour including providing cement concrete foundation bed cont door type etc., complete | Nos | 4.00 | 475.00 | Rupees Four hundred Seventy Five Only |
| Supplying of TPST with rewireable porcelain channels in SM encloser 15/32 amps | Nos | 4.00 | 1320.00 | Rupees One Thousand Three hundred & Twenty Only |

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| [illegible] less than 15mm thick [illegible] one end provided for olding at [illegible] the same of the valve using bolts and nuts. PRED ISSUE RATE | Nos | 4.00 | 302.50 | Rupees Three hundred Two & Fifty Paise Only |
| g and fixing LED Type panel board g lamp with required colour suitable for 50Hz 12/24 V DC Group 'B'. P-529, I-SSB SR 2013-14. | Nos | 12.00 | 385.00 | Rupees Three hundred Eighty Five Only |
| and drawing each PVC insulated grade wire in the conduct (Open or system of wiring ) 7/20 or 7/36 copper , I-20, ii(d), | Nos | 40.00 | 27.50 | Rupees Twenty Seven & Fifty Paise Only |
| fixing and wiring heavy duty low acitors confirming to I 2834, 3 PHASE ts grade for power factor improvement nachinery capacitor in KVAR - rating Capacity | Nos | 4.00 | 385.00 | Rupees Three hundred Eighty Five Only |
| nd fixing miniature Circuit breakers MCB distribution boards using ing materials and wiring complete as | Nos | 4.00 | 880.00 | Rupees Eight hundred Eighty Only |
| ixing, wiring earth electrode for onduits, LC cutouts and other n the meter board using 40mm dia GI pipe 2.50m long buried in a pit. d be filled with equal proportion of coal 150mm alround the pipe to h. the connection from the pipe to c., is to be established through GI per ISI specifications 7.3.3 IS 732 a bolts, nuts, washers and check pe shall have 16 throught holes of | Nos | 4.00 | 1650.00 | Rupees One thousa hundred Fifty ( |
| fixing class A (medium duty) GI ss not less than 3.25mm on pole. | Nos | 40.00 | 286.00 | Rupees Two hun Six Or |

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| | cutouts and other the meter board using 40mm dia mm thick GI pipe 2.5 Mtr long buried in a pit,/ the pit should be filled with equal proporation of salt and charocal 150mm alround the pipe to complete depth the connections from the pipe to the conduits etc., is to be established through GI wire of size as per ISI specification 7.3.3 of ISI 732 using 12 mmdia boalts, nuts washers and checknuts etc,. the pipe shall have 16 through holes of 122mm dia | Nos | 4.00 | 1650.00 | Rupees One thousand Six hundred fifty Only |
| 27 | Supply 1.1 KV class UG cable from nearest BESCOM pole to panel board including earth work and road restoratio 4 core 16 sqmm. | Mtr | 120.00 | 165.00 | Rupees One hundred Sixty Five Only |
| 28 | Labour charges for laying 1.1 KV class UG cable when supplied by agencies in existing trenches GI pipe / stoneware pipe/ on pole as required, | Mtr | 120.00 | 5.50 | Rupees Five & Fifty Paise Only |
| 29 | Digging of trench of 0.6m deep x 0.5m wide refilling the trench to the required level and consolidating etc., complete | Mtr | 60.00 | 44.00 | Rupees Forty Four Only |
| 30 | Supply and fixing LT cast iron pot heads suitable for 1.1 KV class 16 sqmm UG cable filled with neccesary bitumen / insulating compound complete with termiinalas, clamps, bolts, nuts, | Nos | 4.00 | 264.00 | Rupees Two hundred Sixty Four Only |
| 31 | Supplying and fixing of porcelain fuse channel with cut-out on existing / new wooden panel using neccesary nuts, bolts and washers etc., | Nos | 24.00 | 440.00 | Rupees Four hundred Forty Only |
| 32 | Cutting of road surface for pipeline trenches and disposing of the excavated stuff as directed including barricading, danger lighting etc., in the Asphalt surface road. | Cum | 158.40 | 311.64 | Rupees Three hundred Eleven & Sixty Four paise Only |
| 33 | Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @180 kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @0.57cum machine mixed concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications | Cum | 40.03 | 5159.02 | Rupes Five thousand one hundred fifty nine 7two paise only |

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Signature of contractor

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